Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/05/2014 10:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124228	-1	1.57	124091	1.54
Blue	F	SSC	125000	123543	-2	2.18	124462	1.88
Blue	E	FITC	17374	16658	-5	2.25	938	8.26
Blue	D	PE	22653	21952	-4	1.89	990	7.43
Blue	B	PerCP-Cy5-5	64987	63125	-3	2.44	1673	12.05
Blue	A	PE-Cy7	74081	73414	-1	3.58	971	23.15
Red	C	APC	61430	60790	-2	2.58	3438	7.70
Red	A	APC-Cy7	88289	87293	-2	2.65	1727	7.73
Violet	B	V450	12535	12104	-4	2.64	748	6.96
Violet	A	V500	47468	45427	-5	2.25	2569	4.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20187	4.15	579	0	N/A	N/A	Pass
Blue	F	SSC	61813	1.34	494	5	N/A	N/A	Pass
Blue	E	FITC	103	33.78	510	1	0.0297	149	Pass
Blue	D	PE	206	22.52	503	2	0.1999	122	Pass
Blue	B	PerCP-Cy5-5	205	35.88	582	2	0.0131	0	Pass
Blue	A	PE-Cy7	74	88.44	641	4	0.0170	4	Pass
Red	C	APC	323	24.96	572	2	0.0240	31	Pass
Red	A	APC-Cy7	110	35.94	548	2	0.0051	591	Pass
Violet	B	V450	79	37.89	449	0	0.0622	1895	Pass
Violet	A	V500	168	18.53	477	-1	0.0207	146	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/05/2014 10:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.38	-31.11	0.88
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.31
Red	16.06	13.07 - 19.61	N/A	N/A	31.71	31.96	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 15438

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments